

# Accuracy of Surface Reconstruction

System	Spacing	Algo	0 km	1 km	2 km	5 km	10km
1B	5 km	OK	0.02	-3.31	-0.33	13.80	
1B	10 km	OK	5.8	18.06	5.09	6.38	
1B	20 km	OK	-0.66	28.31	155.18	221.51	196.25

Table 1: Error in meters (difference bt original surface and reconstructed surface, dependent on distance of grid node from nadir position). Error values are calculated for a region where surface slope is approximately  $2^\circ$  and nonlinear.

# Accuracy of Surface Reconstruction

System	Spacing	Algo	0 km	1 km	2 km	5 km	10km
1B	10 km	OK	0.02	-3.31	-0.33	13.80	
2B	10 km	OK	5.8	18.06	5.09	6.38	
4B	10 km	OK	0.02	1.54	0.60	4.96	
4B	10 km	AK	0.19	0.40	0.41	3.51	
16B	10 km	OK	0.21	0.09	-2.73	8.09	
16B	10 km	AK	0.17	0.31	2.95	7.46	
1B	20 km	OK	-0.66	28.31	155.18	221.51	196.25
2B	20 km	OK	2.76	8.89	5.21	109.74	83.48
4B	20 km	OK	-0.43	4.95	1.08	162.20	95.28
4B	20 km	AK	0.73	1.46	5.53	115.68	103.68
16B	20 km	OK	-1.14	3.44	0.25	143.18	160.72
16B	20 km	AK	0.59	2.26	32.69	125.42	159.26

Error in meters (difference bt original surface and reconstructed surface, dependent on distance of grid node from nadir position).

Error values calculated for a region where surface slope is approx 2° and nonlinear.